

## ABSTRACT

This high-voltage transformer can regulate the leakage inductance accurately and easily. Winding frames of a primary-side winding (6), a secondary-side winding (7), and a magnetic-coupling adjusting winding (8) are provided so that the primary-side winding (6), the secondary-side winding (7), and magnetic-coupling adjusting winding (8) are placed in a common magnetic path. A part of either the primary-side winding (6) or the secondary-side winding (7) is wound around the frame of the magnetic-coupling adjusting winding (8). The frames of the primary-side winding (6) and the secondary-side winding (7) can be formed into a common frame, and the primary-side winding (6) and the secondary-side winding (7) can be wound superimposedly around the common winding frame. The frames of the primary-side winding (6) and the secondary-side winding (7) can be so provided on both sides of the frame of the magnetic-coupling adjusting winding (8) as to sandwich the frame of the magnetic-coupling adjusting winding (8).